

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A ~~ticker tape picture-in-picture system~~ video system for receiving first and second image signals and for outputting an RGB signal including portions derived from both the first and second image signals, the video system comprising:

~~an image display device;~~

~~a first tuner for receiving [[a]] the first image signal corresponding to a first image and outputting a first video formatted signal corresponding thereto;~~

~~a second tuner for receiving [[a]] the second image signal corresponding to a second image, the second image including a ticker tape image portion, and outputting a second video formatted signal corresponding thereto;~~

~~a video switching subsystem for receiving the first video formatted signal and the second video formatted signal and selectively outputting a Y formatted signal and a C formatted signal both derived from the first video formatted signal and outputting a YUV formatted signal derived from the second video formatted signal;~~

~~a mixer for combining portions of the Y formatted signal, the C formatted signal and the YUV formatted signal into a combined signal and for converting the combined signal into an RGB signal for output.~~

~~to the image display device an RGB formatted display signal derived from one of the first video signal and the second video signal; and~~

~~a microprocessor for sending a timing signal to the video switching subsystem, the timing signal causing the video switching subsystem to selectively switch between outputting an RGB formatted display signal derived from the first video signal and an RGB formatted display signal derived from the second video signal in such a manner that the image display device sequentially receives an RGB formatted display signal corresponding to a predetermined portion of the first image and an RGB formatted display signal corresponding to the ticker tape image portion of the second image.~~

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2. (Currently Amended) The ~~ticker tape picture-in-picture video~~ system of claim 1, ~~further comprising wherein the image display device includes a television cathode ray tube, the first image and the second images are television images, and the~~ ~~a microprocessor sends for sending~~ a timing signal that causes the ~~mixer to~~ ~~select portions of the Y formatted signal, the C formatted signal and the YUV formatted~~ ~~signal~~ ~~video switcher subsystem to selectively switch based on a scanning position of the~~ ~~cathode ray tube~~.

3. (Currently Amended) The ~~ticker tape picture-in-picture video~~ system of claim 1, wherein the first tuner receives an RF first image signal and the second tuner receives an RF second image signal.

4. (Currently Amended) The ~~ticker tape picture-in-picture video~~ system of claim 1 further comprising a remote sensor unit configured to receive an IR signal and convert the IR signal to an electronic signal for output to the microprocessor ~~a picture-in-picture system for outputting a picture-in-picture signal derived from the YUV formatted signal; and~~ ~~a format switch coupled to the mixer for selectively providing either the YUV formatted signal or the picture-in-picture signal to the mixer.~~

5. (Currently Amended) [[The]] ~~A~~ ticker tape picture-in-picture (PiP) system ~~comprising: of claim 1,~~ ~~an image display device;~~ ~~a first tuner for receiving a first image signal corresponding to a first image and outputting a first video formatted signal corresponding thereto;~~ ~~a second tuner for receiving a second image signal corresponding to a second image, the second image including a ticker tape image portion, and outputting a second video formatted signal corresponding thereto;~~ ~~a video switching subsystem for receiving the first video formatted signal and the second video formatted signal and selectively outputting to the image display device an RGB formatted display signal derived from one of the first video signal and the second video signal;~~

a microprocessor for sending a timing signal to the video switching subsystem, the timing signal causing the video switching subsystem to selectively switch between outputting an RGB formatted display signal derived from the first video signal and an RGB formatted display signal derived from the second video signal in such a manner that the image display device sequentially receives an RGB formatted display signal corresponding to a predetermined portion of the first image and an RGB formatted display signal corresponding to the ticker tape image portion of the second image;

wherein the first and second video signals include audio and video components and wherein the video switcher subsystem includes:

an audio/video switch configured to receive the first and second video signals from the first and second tuners, respectively, to stitch audio and video components of the first and second video signals, and to output a stitched first video signal, a stitched second video signal, a Y formatted signal and a C formatted signal;

a V-to-YUV format converter configured to convert the stitched second video signal to a YUV formatted signal; and

a video mixer/switch configured to receive the Y formatted signal, the C formatted signal and the YUV formatted signal and to selectively and sequentially convert the Y and C formatted signals and the YUV formatted signal into an RGB formatted display signal.

6. (Original) The ticker tape picture-in-picture system of claim 5 further comprising a PiP circuit configured to receive the stitched second video signal and to output a corresponding YUV formatted signal to the video mixer/switch.

7-13. (Canceled)

14. (New) A video switching subsystem comprising first and second inputs for receiving first and second video signals, respectively, wherein the first and second video signals include audio and video components;

a timing signal generator for generating a timing signal to selectively switch between outputting an RGB formatted display signal derived from the first video signal and an RGB formatted display signal derived from the second video signal in such a manner that the image display device sequentially receives an RGB formatted display signal corresponding to a predetermined portion of the first image and an RGB formatted display signal corresponding to the ticker tape image portion of the second image;

an audio/video switch configured to receive the first and second video signals to stitch audio and video components of the first and second video signals and to output a stitched first video signal, a stitched second video signal, a Y formatted signal and a C formatted signal;

a V-to-YUV format converter configured to convert the stitched second video signal to a YUV formatted signal; and

a video mixer/switch configured to receive the Y formatted signal, the C formatted signal and the YUV formatted signal and to selectively and sequentially convert the Y and C formatted signals and the YUV formatted signal into an RGB formatted display signal.

15. (New) The video switching subsystem of claim 14, further comprising a picture-in-picture circuit configured to receive the stitched second video signal and to output a corresponding YUV formatted signal to the video mixer/switch.

16. (New) A method for receiving first and second image signals and for outputting an RGB signal including portions derived from both the first and second image signals, the method comprising:

generating a Y formatted signal and a C formatted signal both derived from the first image signal;

generating a YUV formatted signal derived from the second image signal;

combining portions of the Y formatted signal, the C formatted signal and the YUV formatted signal into a combined signal and for converting the combined signal into an RGB signal for output.

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17. (New) The method of claim 16, further comprising using a microprocessor to send a timing signal for selectively combining portions of the Y formatted signal, the C formatted signal and the YUV formatted signal.

18. (New) The method of claim 16, wherein the first and second image signals include RF signals.

19. (New) The method of claim 16, further comprising deriving a picture-in-picture signal from the YUV formatted signal; and selectively providing either the YUV formatted signal or the picture-in-picture signal to the mixer.
